

Abstract

A system and method of exposing debugging information in a graphical modeling and execution environment is disclosed. The present invention allows a user to view debugging information in the same window as the graphical view of the model being executed. Debugging data is associated with relevant components of the model displayed in the graphical view. A separate execution list view shows the methods called during the execution of the block diagram in the current time step up until the current point in execution. User-set breakpoints and conditional breakpoints may be set in both the model view and the execution list view. Values may be obtained for all of the displayed methods. The debugging tool may be implemented by using it in conjunction with a graphical modeling and execution environment, such as a block diagram environment or state diagram environment.